

Application No. 10/621,727
 Reply to Office Action of August 25, 2006

Atty. Docket No. 00131-00339-US

RECEIVED
 CENTRAL FAX CENTER
 NOV 27 2006

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the Application.

1. (Currently amended) A low dielectric constant material comprising a plant oil with an unsaturation mixed with a comonomer and animal feathers wherein said feathers are feather mats and said feathers are present in an amount of at least 10% by weight in the material.
2. (Original) The material as claimed in claim 1, wherein said plant oil is soybean oil and said animal feathers are fiber feathers.
3. (Original) The material as claimed in claim 1, wherein said oil is a triglyceride.
4. (Original) The material as claimed in claim 1, wherein said feathers are chicken feathers.
5. (Canceled)
6. (Original) The material as claimed in claim 2, wherein said fibers are natural fibers.
- 7-10. (Canceled)
11. (Currently amended) A low dielectric constant material comprising a plant oil and animal feathers and the material has a dielectric constant in the range of 1.7 to

Application No. 10/621,727
Reply to Office Action of August 25, 2006

Atty. Docket No. 00131-00339-US

2.7, measured at 25°C and 100 Hz and said feathers are feather mats and said feathers are present in an amount of at least 10% by weight in the material.

12. (Previously presented) The material as claimed in claim 11, wherein said plant oil is soybean oil and said animal feathers are fiber feathers.
13. (Previously presented) The material as claimed in claim 11, wherein said oil is a triglyceride.
14. (Previously presented) The material as claimed in claim 11, wherein said feathers are chicken feathers.
15. (Canceled)
16. (Previously presented) The material as claimed in claim 12, wherein said fibers are natural fibers.
17. (Previously presented) An insulator comprising the material as claimed in claim 1.
18. (Previously presented) An insulator comprising the material as claimed in claim 11.
19. (Previously presented) The material as claimed in claim 1, wherein the comonomer is styrene.

Application No. 10/621,727
Reply to Office Action of August 25, 2006

Atty. Docket No. 00131-00339-US

20. (Previously presented) The material as claimed in claim 19, wherein said oil is a triglyceride.
21. (Previously presented) The material as claimed in claim 20, wherein said feathers are chicken feathers.
22. (Previously presented) The material as claimed in claim 11, which further comprises a comonomer.
23. (Previously presented) The material as claimed in claim 22, wherein the comonomer is styrene.
24. (Previously presented) The material as claimed in claim 2, wherein said soybean oil is acrylated epoxidized soybean oil.
25. (Previously presented) The material as claimed in claim 12, wherein said soybean oil is acrylated epoxidized soybean oil.